

All Things Integers

Part 1 – Identifying Integers

Place a check mark on the line if the number is an integer. Place an N on the line if the number is not an integer.

_____ 35

_____ $3\frac{1}{3}$

_____ $\frac{25}{5}$

$\sqrt{50}$ _____

_____ -4

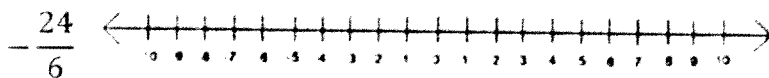
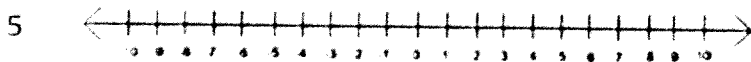
_____ $\sqrt{49}$

_____ $-\frac{16}{3}$

0 _____

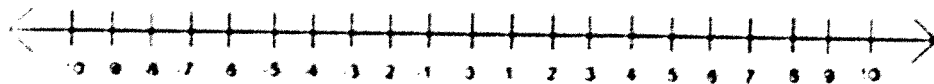
Part 2 – Integers on a Number Line

Place the opposite integer on the number line in the appropriate place.



Place each of the numbers on the number line and then list them in order from greatest to least placing the correct sign between each number

$$-7, 0, -\frac{15}{3}, \sqrt{4}, -5, 9, -\frac{16}{2}$$



_____ ○ _____ ○ _____ ○ _____ ○ _____ ○ _____

Part 3 – Ordering Integers

Place the following set of integers in order from least to greatest

$$1, \sqrt{16}, 0, -\frac{12}{4}, -11, -\frac{30}{3}, 15$$

Place the following in order from greatest to least

$$3, -4, 0, -\frac{36}{4}, \sqrt{9}, -\frac{24}{3}, 11$$

Part 4 – Real World Integers

Write an integer to represent the real world situation

_____ Making a three point shot

_____ Falling twelve feet out of a tree

_____ A deposit of thirty dollars in my bank account

_____ A plane ten thousand feet in the air

_____ Spending twenty dollars on a game

Part 5 – Compare Integers using $<$, $>$, or $=$

$$-7 \bigcirc -9$$

$$5 \bigcirc -7$$

$$-8 \bigcirc \frac{35}{5}$$

$$-9 \bigcirc 9$$

$$\frac{15}{3} \bigcirc -6$$

$$4 \bigcirc \frac{3}{1}$$

$$|-9| \bigcirc |7|$$

$$\sqrt{16} \bigcirc 9$$

Part 6 – Absolute Value Write the absolute value of each integer in the space provided.

$$|6| \underline{\hspace{2cm}}$$

$$|-11| \underline{\hspace{2cm}}$$

$$|-\frac{18}{3}| \underline{\hspace{2cm}}$$

$$|11| \underline{\hspace{2cm}}$$

$$|-9| \underline{\hspace{2cm}}$$

$$|-68| \underline{\hspace{2cm}}$$

$$|\frac{21}{3}| \underline{\hspace{2cm}}$$

$$|-13| \underline{\hspace{2cm}}$$

What do you notice about finding the absolute value of a number?

Part 7 – Opposite Integers: Write the opposite of each integer in the space provided.

$$6 \underline{\hspace{2cm}}$$

$$-11 \underline{\hspace{2cm}}$$

$$-\frac{18}{3} \underline{\hspace{2cm}}$$

$$11 \underline{\hspace{2cm}}$$

$$-9 \underline{\hspace{2cm}}$$

$$-68 \underline{\hspace{2cm}}$$

$$\frac{21}{3} \underline{\hspace{2cm}}$$

$$-13 \underline{\hspace{2cm}}$$

What do you notice about finding the opposite of a number?

How are absolute value and opposites different?